INTERNATIONAL SEARCH REPORT

Inte nal Application No PC., _P2004/051093

A. CLASSIFICATION OF SUBJECT MATTER IPC 7 H04B7/005

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

 $\begin{array}{ll} \mbox{Minimum documentation searched (classification system followed by classification symbols)} \\ \mbox{IPC 7} & \mbox{H04B} \end{array}$

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, COMPENDEX, INSPEC, PAJ, IBM-TDB, WPI Data

| 0-4 | | | |
|------------|---|-----------------------|--|
| Category ° | Citation of document, with indication, where appropriate, of the relevant passages | Relevant to claim No. | |
| Y | 3GPP: "Physical channels and mapping of transport channels onto physical channels (FDD)" 3GPP TS 25.211 VERSION 4.3.0 RELEASE 4, December 2001 (2001-12), XP002260121 page 25 - page 26 page 29 page 38 figures 15,18 | 1-14 | |

| χ Further documents are listed in the continuation of box C. | Patent family members are listed in annex. |
|---|---|
| Special categories of cited documents: 'A' document defining the general state of the art which is not considered to be of particular relevance 'E' earlier document but published on or after the international filing date 'L' document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) 'O' document referring to an oral disclosure, use, exhibition or other means 'P' document published prior to the international filing date but later than the priority date claimed | "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art. "&" document member of the same patent family |
| Date of the actual completion of the international search 18 August 2004 | Date of mailing of the international search report 31/08/2004 |
| Name and mailing address of the ISA European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016 | Authorized officer Schreib, F |

INTERNATIONAL SEARCH REPORT

Inte ional Application No
PC . , EP2004/051093

| | | | | ŀ | 101/ [1 200 1/ 001000 | |
|--|---|---------------------|--|---|---|--|
| Patent document cited in search report | | Publication date | | Patent family member(s) | | Publication date |
| WO 0139540 | A | 31-05-2001 | SE AU CN EP JP WO SE TW | 51666 190690 139985 123266 200351600 013954 990429 49469 | 1 A 8 T 5 A1 1 T 0 A1 9 A | 12-02-2002 04-06-2001 26-02-2003 21-08-2002 07-05-2003 31-05-2001 27-05-2001 11-07-2002 |
| EP 0887947 | A | 30-12-1998 | BR CN CN EP JP JP KR US | 980256 134407 120626 088794 312928 1107483 26814 639300 | 6 A ,B 3 A ,B 7 A2 5 B2 4 A 5 B1 | 03-11-1999 10-04-2002 27-01-1999 30-12-1998 29-01-2001 16-03-1999 16-10-2000 21-05-2002 |
| US 6064659 | A | 16-05-2000 | BR CA CN EP JP WO | 991195 233694 131297 109751 200252093 000348 | 7 A1 5 T 8 A1 9 T | 27-03-2001 20-01-2000 12-09-2001 09-05-2001 09-07-2002 20-01-2000 |
| WO 03079576 | Α | 25-09-2003 | US WO WO WO US US | 200317467 0307957 0307957 0307960 200317468 200317467 | 7 A2 6 A2 1 A1 6 A1 | 18-09-2003 25-09-2003 25-09-2003 25-09-2003 18-09-2003 18-09-2003 |